SPECIFICATIONS

Amplifier Section

Power Output	
2 channels driven:	North American: **100 W + 100 W (8 Ω, 20 Hz-20 kHz, FTC)** European: 130 W + 130 W (6 Ω, 1 kHz, DIN) Others: 160 W + 160 W (6 Ω, 1 kHz, JEITA)
Dynamic Power	230 W + 230 W (3 Ω, Front) 170 W + 170 W (4 Ω, Front) 115 W + 115 W (8 Ω, Front)
THD (Total Harmonic Distortion)	0.08% (Power Rated)
Damping Factor	60 (Front, 1 kHz, 8Ω)
Input Sensitivity and Impedance	200 mV/ 47 kΩ (LINE) 2.5 mV/47 kΩ (PHONO MM)
Output Level and Impedance	200 mV/ 470Ω (REC OUT)
Phono Overload	70 mV (MM 1 kHz, 0.5%)
Frequency Response	10 Hz-100 kHz/ +1 dB-3 dB (LINE)
Tone Control	±10 dB, 50 Hz (BASS) ±10 dB, 20 kHz (TREBLE)
Signal to Noise Ratio	106 dB (LINE, IHF-A) 80 dB (PHONO, IHF-A)
Speaker Impedance	4 Ω min. or 6 Ω min.

Video Section

Input Sensitivity/Output Level and Impedance	1 Vp-p /75 Ω (Component and S-Video Y) 0.7 Vp-p /75 Ω (Component Pb/Cb,Pr/Cr) 0.28 Vp-p /75 Ω (S-Video C) 1 Vp-p /75 Ω (Composite)
Component Video Frequency Response	5 Hz - 100 MHz

Tuner Section

FM

Tuning Frequency Range	North American: 87.5 MHz- 107.9 MHz Other: 87.5 MHz-108.0 MHz
Usable Sensitivity	Stereo: 22.2 dBf (75 Ω IHF) Mono: 15.2 dBf (75 Ω IHF)
Signal to Noise Ratio	Stereo: 67 dB (IHF-A) Mono: 73 dB (IHF-A)
THD	Stereo: 0.5% (1 kHz) Mono:0.3% (1 kHz)
Frequency Response	30 Hz-15 kHz / ±1 dB
Stereo Separation	40 dB (1 kHz)

AM

Tuning Frequency Range	North American: 530 kHz-1710 kHz European: 522 kHz-1611 kHz Asian: 530/522 kHz-1710/1611 kHz
Usable Sensitivity	300 µV/m
Signal to Noise Ratio	40 dB
THD	0.70%

General

Power Supply	North American: AC 120 V, 60 Hz Australian and European: AC 230-240 V, 50 Hz Others: AC 120/220-240 V, 50/60 Hz AC 230-240 V, 50Hz AC 220-230 V, 50/60 Hz
Power Consumption	North American: 7.5 A Others: 680 W
Standby Power Consumption	North American: 0.1 W Australian and European: 0.2 W Others: 0.5 W
Dimensions (W × H × D)	435 × 173.5 × 430 mm 17-1/8" × 6-13/16" × 16-15/16"
Weight	North American: 13.3 kg 29.3 lbs. European: 13.5 kg 29.8 lbs. Others: 13.3 kg 29.3 lbs.

Video Inputs

Component	IN1, IN2, IN3
S-Video	DVD, VIDEO1, VIDEO2, VIDEO3, VIDEO4
Composite	DVD, VIDEO1, VIDEO2, VIDEO3, VIDEO4

Video Outputs

Component	OUT
S-Video	MONITOR OUT, VIDEO1, VIDEO2
Composite	MONITOR OUT, VIDEO1, VIDEO2

Audio Inputs

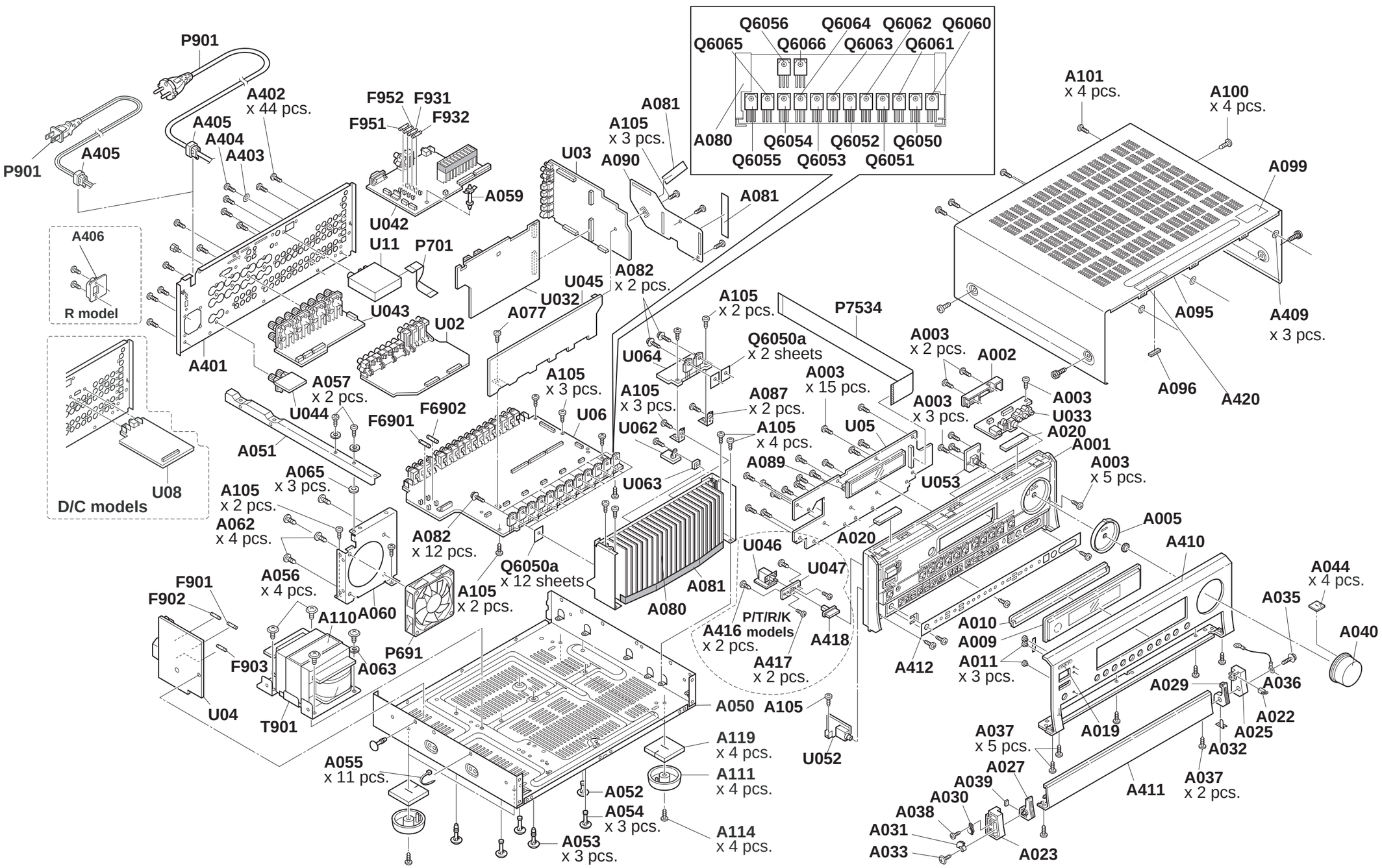
Digital Inputs	Optical: 5 (1 on Front Panel) Coaxial: 2
Analog Inputs	DVD (MULTICHANNEL), VIDEO1, VIDEO2, VIDEO3, VIDEO4, TAPE, CD, PHONO
Multichannel Input	7.1 ch (DVD)

Audio Outputs

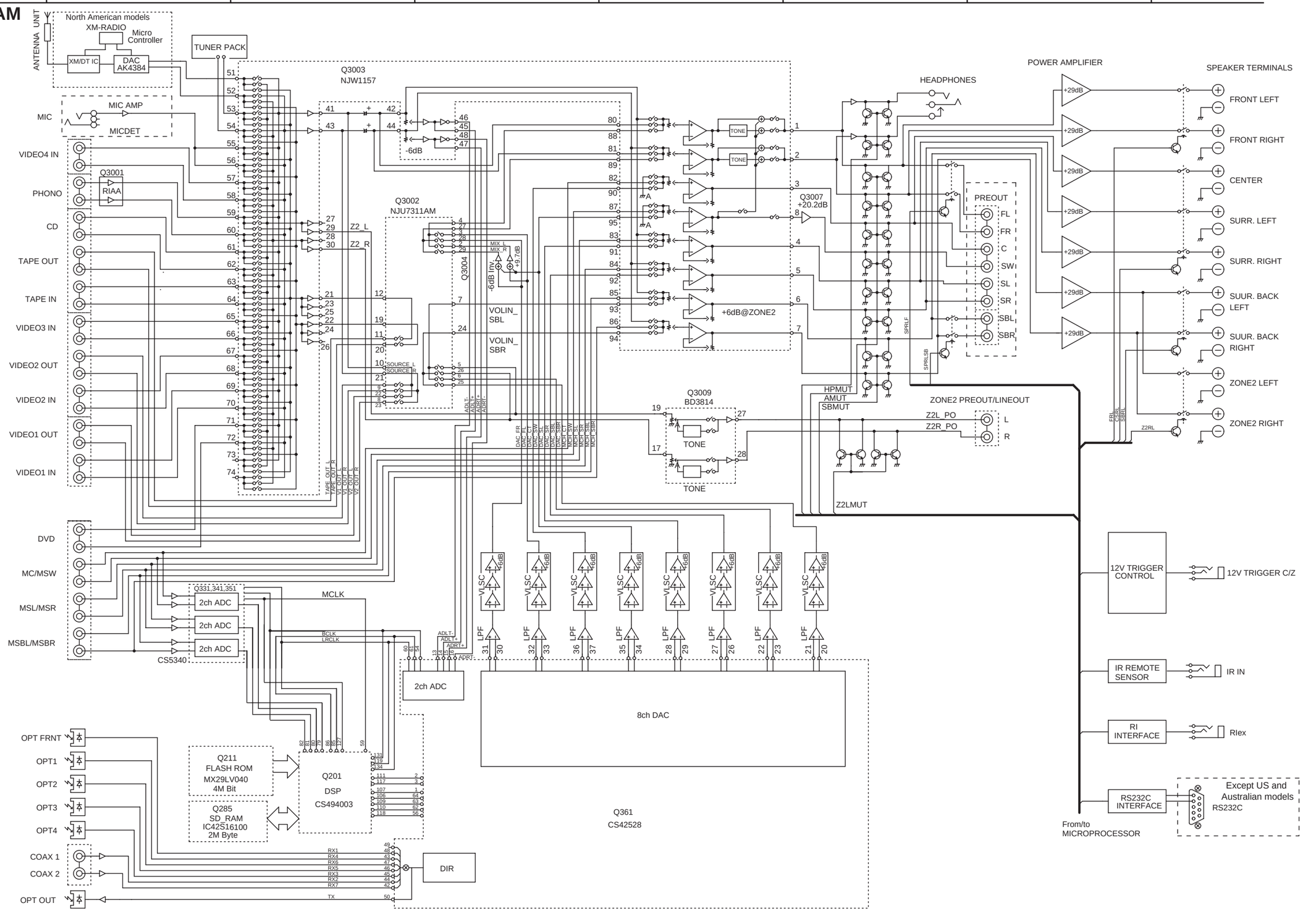
Digital Output	Optical: 1
Analog Outputs	TAPE, VIDEO1, VIDEO2, ZONE2
Multichannel Pre Outputs	7.1 ch
Speaker Outputs	L, R, C, SL, SR, SBL, SBR ZONE2 (L, R)
Phones	1
RS232	1 (Other than North American and Australian)
IR Input/Output	1/0
12 V Trigger Out	ZONE2

Specifications and features are subject to change without notice.

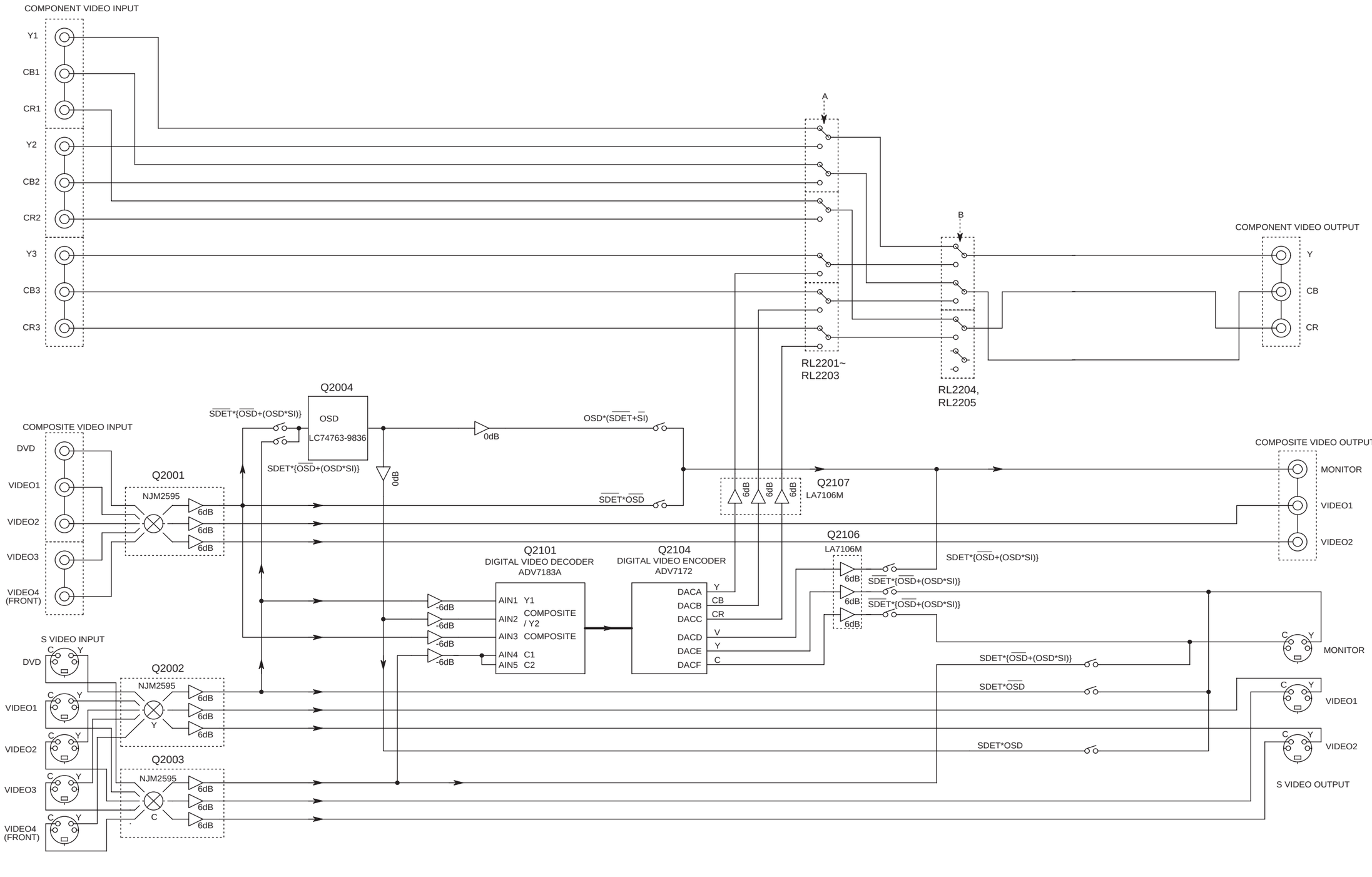
EXPLODED VIEW



BLOCK DIAGRAM
AMPLIFIER SECTION



BLOCK DIAGRAM VIDEO SECTION



A	B	C	D	E	F	G	H

SCHEMATIC DIAGRAM 1

VIDEO SECTION

NAVD-8657

P2004A To NAAR-8661 SCH.3 P2005A

JL2006A To NAETC-8666 SCH.7

SPEAKER RELAY DRIVER

Q2051 RN1401 Q2052 RN1401 Q2053 RN1401 Q2054 RN1401

U02

OSD Q2004 LC74763-9836

Q2005 2SC1712-GR

Q2006 RN1443

Q2007 RN1443

Q2008 2SA1162-GR

Q2010 RN2402

Q2009 2SA1162-GR

Q2022 2SA1162-GR

Q2001 NJM2595M

Q2002 NJM2595M

Q2003 NJM2595M

Selector & 6dB AMP

Switch Controller

Video Encoder

Video AMP with HPF

Q2101 ADV7183B

Q2102 BA33BC0FB

Q2103 BA18BC0FB

Q2104 ADV7172

Q2105 RN1401

Q2107 2SC1712-GR

Q2108 2SK3019

Q2109 2SK3019

Q2111 NJU7313AM

Q2106 LA7106M

Q2107 LA7106M

Q2012 RN1443

Q2013 RN1443

Q2017 RN1443

Q2018 RN1443

Q2020 RN1443

Q2023 RN1443

Q2024 RN1443

Q2025 RN1443

P2001 VIDEO3

P2002 VIDEO2 IN

P2003 VIDEO1 IN

P2007 MONITOR

P2201 COMPONENT 3

P2201 COMPONENT 2

P2201 COMPONENT 1

P2202 COMPONENT OUT

D2201 1SS352

D2202 1SS352

D2001 1SS352

D2003 1SS352

Q2202 2SC2712-GR

Q2201 2SC2712-GR

X2001 14.32MHZ

X2002 17.73MHZ

X2101 27MHZ

L2001 056J

L2002 022K

L2003 220K

L2007 022K

L2101 220K

L2102 220K

L2104 022K

L2105 022K

SCHEMATIC DIAGRAM 2

DSP SECTION

U03

NADG-8660

Q361 CS42528-CQ

Q201 CS494003

Q211 MX26LV040-70

Q285 M13S1616A-7TG or K4S281632D

Q331 CS5340-CZ

Q341 CS5340-CZ

Q351 CS5340-CZ

P101 COAX1 COAX2 DIGITAL IN DIGITAL OUT OPT1 OPT2 OPT3 OPT4

Q121 TC7WU04FU

Q131 TC7WU04FU

X131 HC-49U0 312.288MHz

P102 SYSIN

P3101B TO NAAF-8678 SCH. 4

P3102B TO NAAF-8678 SCH. 4

P3001A TO NAAR-8661 SCH. 3

TO NAAR-8661 SCH. 3

SCHEMATIC DIAGRAM 3
MICROPROCESSOR SECTION

U032

NAAR-8661

P7534A
TO DISPLAY SCH.9
(NADIS-8675)

P702
TO FLASH WRITER

JL703B
TO THERMAL SENSOR
NAETC-8680 SCH.5

P710A(DD model only)
TO XM RADIO
NARF-8688 SCH.10

JL7452A
TO HEADPHONE
NAETC-8676 SCH. 9

P959A
TO POWER SUPPLY
NAPS-8665 SCH. 8

P954A
TO POWER SUPPLY
NAPS-8665 SCH. 8

TO DSP/CODEC
P601B NADG-8660 SCH.2

P602B
TO DSP/CODEC
NADG-8660 SCH.2

P2004A
TO VIDEO
NAVD-8657 SCH.1

P2005A
TO VIDEO
NAVD-8657 SCH.1

P3103B P3104B TO VOLUME/AMP P3105B
NAAF-8678 SCH.4

P701A TO TUNER PACK

Q710 XC6213B332MR

Q702 RN1404

Q701 M30627FHPGP

Q703 RN2402

Q704 RN2402

Q705 RN1404

Q706 RN2402

Q707 RN1404

Q708 RN2402

Q709 RN1404

Q714 S-812C56AUA-C3K

Q601 TC74VHC541FT

Q602 TC74VHC541FT

Q603 TC74VHC541FT

Q604 TC74VHC541FT

D603 1SS355

D605 1SS355

D606 1SS355

D607 1SS355

D611 1SS355

D612 1SS355

D613 1SS355

D615 UDZS4.7

D701 RL1N4003GP104003E

D702 UDZS5.1

D703 UDZS5.1

D704 UDZS5.1

D705 UDZS5.1

D706 UDZS5.1

D707 UDZS5.1

D708 UDZS5.1

D709 UDZS5.1

D710 UDZS5.1

D711 UDZS5.1

D712 UDZS5.1

D713 UDZS5.1

D714 UDZS5.1

D715 UDZS5.1

D716 UDZS5.1

D717 UDZS5.1

D718 UDZS5.1

D719 UDZS5.1

D720 UDZS5.1

D721 UDZS5.1

D722 UDZS5.1

D723 UDZS5.1

D724 UDZS5.1

D725 UDZS5.1

D726 UDZS5.1

D727 UDZS5.1

D728 UDZS5.1

D729 UDZS5.1

D730 UDZS5.1

D731 UDZS5.1

D732 UDZS5.1

D733 UDZS5.1

D734 UDZS5.1

D735 UDZS5.1

D736 UDZS5.1

D737 UDZS5.1

D738 UDZS5.1

D739 UDZS5.1

D740 UDZS5.1

D741 UDZS5.1

D742 UDZS5.1

D743 UDZS5.1

D744 UDZS5.1

D745 UDZS5.1

D746 UDZS5.1

D747 UDZS5.1

D748 UDZS5.1

D749 UDZS5.1

D750 UDZS5.1

D751 UDZS5.1

D752 UDZS5.1

D753 UDZS5.1

D754 UDZS5.1

D755 UDZS5.1

D756 UDZS5.1

D757 UDZS5.1

D758 UDZS5.1

D759 UDZS5.1

D760 UDZS5.1

D761 UDZS5.1

D762 UDZS5.1

D763 UDZS5.1

D764 UDZS5.1

D765 UDZS5.1

D766 UDZS5.1

D767 UDZS5.1

D768 UDZS5.1

D769 UDZS5.1

D770 UDZS5.1

D771 UDZS5.1

D772 UDZS5.1

D773 UDZS5.1

D774 UDZS5.1

D775 UDZS5.1

D776 UDZS5.1

D777 UDZS5.1

D778 UDZS5.1

D779 UDZS5.1

D780 UDZS5.1

D781 UDZS5.1

D782 UDZS5.1

D783 UDZS5.1

D784 UDZS5.1

D785 UDZS5.1

D786 UDZS5.1

D787 UDZS5.1

D788 UDZS5.1

D789 UDZS5.1

D790 UDZS5.1

D791 UDZS5.1

D792 UDZS5.1

D793 UDZS5.1

D794 UDZS5.1

D795 UDZS5.1

D796 UDZS5.1

D797 UDZS5.1

D798 UDZS5.1

D799 UDZS5.1

D800 UDZS5.1

D801 UDZS5.1

D802 UDZS5.1

D803 UDZS5.1

D804 UDZS5.1

D805 UDZS5.1

D806 UDZS5.1

D807 UDZS5.1

D808 UDZS5.1

D809 UDZS5.1

D810 UDZS5.1

D811 UDZS5.1

D812 UDZS5.1

D813 UDZS5.1

D814 UDZS5.1

D815 UDZS5.1

D816 UDZS5.1

D817 UDZS5.1

D818 UDZS5.1

D819 UDZS5.1

D820 UDZS5.1

D821 UDZS5.1

D822 UDZS5.1

D823 UDZS5.1

D824 UDZS5.1

D825 UDZS5.1

D826 UDZS5.1

D827 UDZS5.1

D828 UDZS5.1

D829 UDZS5.1

D830 UDZS5.1

D831 UDZS5.1

D832 UDZS5.1

D833 UDZS5.1

D834 UDZS5.1

D835 UDZS5.1

D836 UDZS5.1

D837 UDZS5.1

D838 UDZS5.1

D839 UDZS5.1

D840 UDZS5.1

D841 UDZS5.1

D842 UDZS5.1

D843 UDZS5.1

D844 UDZS5.1

D845 UDZS5.1

D846 UDZS5.1

D847 UDZS5.1

D848 UDZS5.1

D849 UDZS5.1

D850 UDZS5.1

D851 UDZS5.1

D852 UDZS5.1

D853 UDZS5.1

D854 UDZS5.1

D855 UDZS5.1

D856 UDZS5.1

D857 UDZS5.1

D858 UDZS5.1

D859 UDZS5.1

D860 UDZS5.1

D861 UDZS5.1

D862 UDZS5.1

D863 UDZS5.1

D864 UDZS5.1

D865 UDZS5.1

D866 UDZS5.1

D867 UDZS5.1

D868 UDZS5.1

D869 UDZS5.1

D870 UDZS5.1

D871 UDZS5.1

D872 UDZS5.1

D873 UDZS5.1

D874 UDZS5.1

D875 UDZS5.1

D876 UDZS5.1

D877 UDZS5.1

D878 UDZS5.1

D879 UDZS5.1

D880 UDZS5.1

D881 UDZS5.1

D882 UDZS5.1

D883 UDZS5.1

D884 UDZS5.1

D885 UDZS5.1

D886 UDZS5.1

D887 UDZS5.1

D888 UDZS5.1

D889 UDZS5.1

D890 UDZS5.1

D891 UDZS5.1

D892 UDZS5.1

D893 UDZS5.1

D894 UDZS5.1

D895 UDZS5.1

D896 UDZS5.1

D897 UDZS5.1

D898 UDZS5.1

D899 UDZS5.1

D900 UDZS5.1

D901 UDZS5.1

D902 UDZS5.1

D903 UDZS5.1

D904 UDZS5.1

D905 UDZS5.1

D906 UDZS5.1

D907 UDZS5.1

D908 UDZS5.1

D909 UDZS5.1

D910 UDZS5.1

D911 UDZS5.1

D912 UDZS5.1

D913 UDZS5.1

D914 UDZS5.1

D915 UDZS5.1

D916 UDZS5.1

D917 UDZS5.1

D918 UDZS5.1

D919 UDZS5.1

D920 UDZS5.1

D921 UDZS5.1

D922 UDZS5.1

D923 UDZS5.1

D924 UDZS5.1

D925 UDZS5.1

D926 UDZS5.1

D927 UDZS5.1

D928 UDZS5.1

D929 UDZS5.1

D930 UDZS5.1

D931 UDZS5.1

D932 UDZS5.1

D933 UDZS5.1

D934 UDZS5.1

D935 UDZS5.1

D936 UDZS5.1

D937 UDZS5.1

D938 UDZS5.1

D939 UDZS5.1

D940 UDZS5.1

D941 UDZS5.1

D942 UDZS5.1

D943 UDZS5.1

D944 UDZS5.1

D945 UDZS5.1

D946 UDZS5.1

D947 UDZS5.1

D948 UDZS5.1

D949 UDZS5.1

D950 UDZS5.1

D951 UDZS5.1

D952 UDZS5.1

D953 UDZS5.1

D954 UDZS5.1

D955 UDZS5.1

D956 UDZS5.1

D957 UDZS5.1

D958 UDZS5.1

D959 UDZS5.1

D960 UDZS5.1

D961 UDZS5.1

D962 UDZS5.1

D963 UDZS5.1

D964 UDZS5.1

D965 UDZS5.1

D966 UDZS5.1

D967 UDZS5.1

D968 UDZS5.1

D969 UDZS5.1

D970 UDZS5.1

D971 UDZS5.1

D972 UDZS5.1

D973 UDZS5.1

D974 UDZS5.1

D975 UDZS5.1

D976 UDZS5.1

D977 UDZS5.1

D978 UDZS5.1

D979 UDZS5.1

D980 UDZS5.1

D981 UDZS5.1

D982 UDZS5.1

D983 UDZS5.1

D984 UDZS5.1

D985 UDZS5.1

D986 UDZS5.1

D987 UDZS5.1

D988 UDZS5.1

D989 UDZS5.1

D990 UDZS5.1

D991 UDZS5.1

D992 UDZS5.1

D993 UDZS5.1

D994 UDZS5.1

D995 UDZS5.1

D996 UDZS5.1

D997 UDZS5.1

D998 UDZS5.1

D999 UDZS5.1

D1000 UDZS5.1

SCHEMATIC DIAGRAM 4
PREAMPLIFIER SECTION

A B C D E F G H

1 2 3 4 5

PHONO CD TAPE_OUT TAPE VIDEO3 VIDEO2_OUT VIDEO2 VIDEO1_OUT VIDEO1 DVD SL/SR C/SW SBL/SBR FL/FR SL/SR PREOUT C/SW SBL/SBR

P3001 P3002 P3003 P3004 P3005 P3006 P3008 P3009

TO NADG-8660 SCH.2
P3101A

TO NADG-8660 SCH.2
P3102A

DACSBR

DACSBL

FSWDATA
FSWCLK

Q3002
NJU7311AM

Q3003
NJW1157

U06
NAAF-8678(1/2)

To schematic 5

To NAAR-8661 SCH.3
P3103A
P3104A
P3105A

To NAAF-8668 SCH.6
P5003B
P5004B

Z2MUT

SCHEMATIC DIAGRAM 5
POWER AMPLIFIER SECTION

A B C D E F G H

1 2 3 4 5

U062
NAETC-8680
Q6380 LM61CIZ
JL703A
TO NAETC-8680 SCH.5

U06
NAFF-8678

U064
NAAF-8682

L
R
C
SL
SR
SBL

TO NAAF-8668 SCH. 6
P6000A P6001A P6002A P6003A P6004A P6005A JL6006B

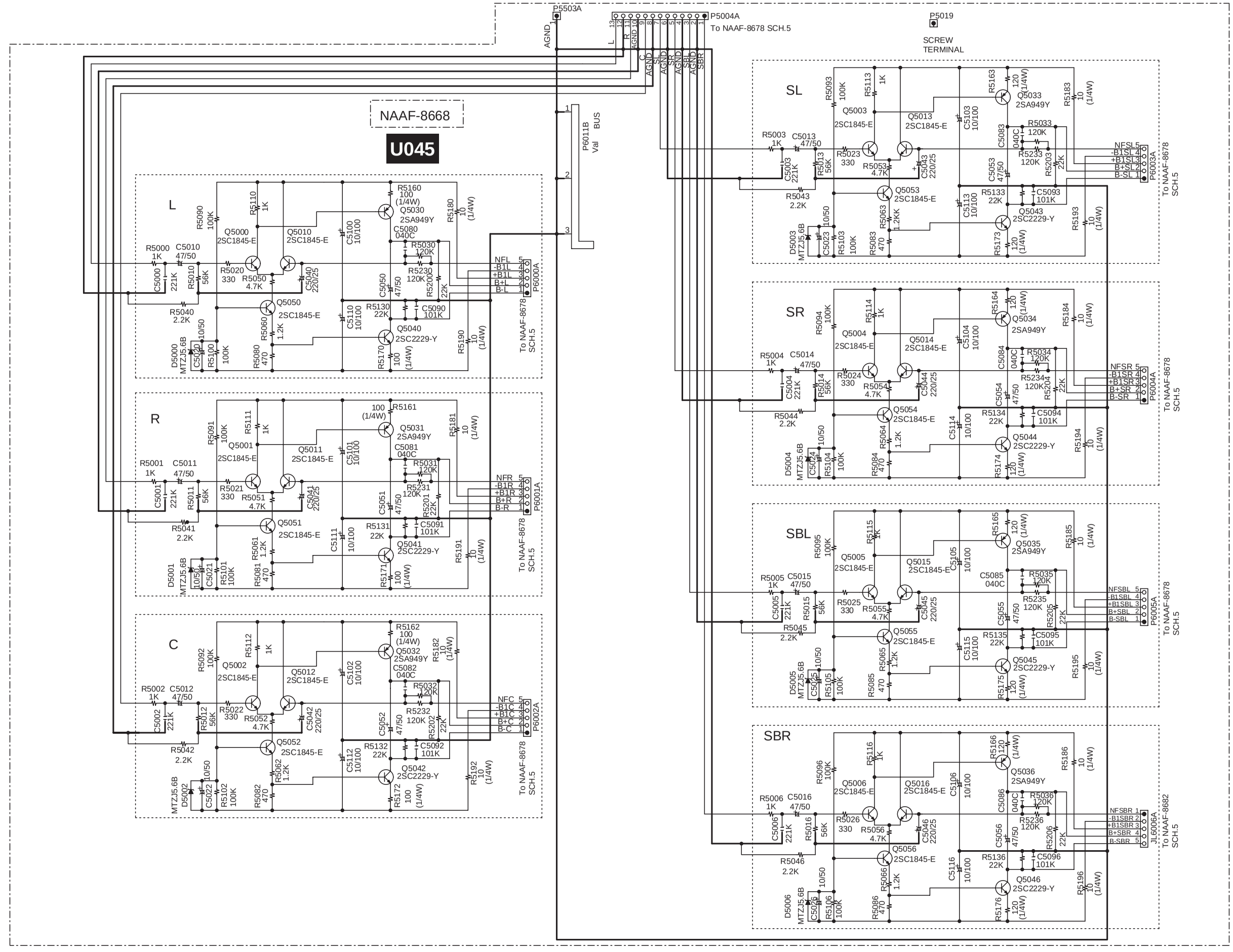
FROM POWER TRANSFORMER P6902A

NAETC-8666 SCH.7 JL6603A

JL6600A JL6200A JL6200B

PROTECT GNDDG HPE HPR HPL VOLH SEC1H GNDRL +22V

SCHEMATIC DIAGRAM 6
DRIVER SECTION



SCHEMATIC DIAGRAM 7
POWER SUPPLY SECTION

NAPS-8664

U04

F901 6.3A-SE-EAK <P/A/K/R/T>
10A-UL/T-233 <D/C>
F903 2.5A-SE-EAK <P/A/K/R/T>
5A-UL/T-233 <D/C>

F902 6.3A-SE-EAK <T>
T TYPE ONLY

EXCEPT D,C,A
P902A P903A
EXCEPT MGK
P910
P904A
MGK ONLY
P905A
D,C,A ONLY
J901
S901 240V 120V
W-TYPE ONLY
P912 To Power transformer
Note: T: 9 pin Other: 4 pin
AC_CABLE P901A
AC-H
AC-G
103M/275 C912
T902
IRL902
NPT-1520JQ <D>
NPT-1519GQ <A/K/R/P>
NPT-1519JQ <T>
C902 223J
D912 1SS133
Q912 2SC1740
R913 1K
R914 100K
D913 1SS133
EXCEPT T
T MODEL ONLY
Q901 SI-3010KF
Vc Vin GND Vout ADJ
J906
1SS133
D901 1SS133
D902 1SS133
D903 1SS133
D904
C903 220/35
R905 100K
R906 100K
C905 10/50
R907 82K
R908 10K
C907 100/50
D905 1SS133
D906 1SS133
C904 100/50
D907 1SS133
D908 1SS133
D909 1SS133
R909 100K
C906 3.3/50
D910 DZ-6.8BSC or DZ5.6BSB
<D/T> <OTHER>
J907
EXCEPT T model
C991 222J
D991 1SS133
D992 1SS133
P991
APOWER
+12VTRG
+10S
PQFF1
RLGND
DGND
JL911A To NAPS-8665 SCH. 8
T MODEL T901
S1+ S1H+ GND S1H- S1- S2+ GND S2- S3+ GND S3- S4+ S4-
TO NAPS-8664
TO NAPS-8665 P951
TO NAPS-8665 P952
TO NAAF-8678 JL6952B
OTHER MODELS
NPT-1526D <D/C>
NPT-1526P <P/A>
NPT-1526DG <T>
NPT-1526G <K/R>

DESTINATION

TYPE	AC
D/C	AC120V~60Hz
P/A	AC220-230V~50/60Hz
K/R	AC220-230V~50/60Hz
T	AC120V/220-230V

NAETC-8666

U043

TO NAETC-8667
JL6602B
1 +22VR
2 CSRLD
3 CSP
4 CSPE
TO SCH.5
TO NAAF-8397
JL6600B
1 LSP
2 RSP
3 CSP
4 SLSP
5 SRSP
6 SBLSP
7 SRBSP
JL6603B
1 LSPE
2 RSPE
3 CSPE
4 SLSPE
5 SRSPE
6 SBLSPE
7 SBRSPE
8 RLGND
9 +22V
TO NAPS-8665 SCH. 8
Other models
L6600 S1.3C
R6600 22
R6611 22
D model
J6600
L6601 S1.3C
R6601 22
R6612 22
J6604
L6603 S1.3C
R6603 22
R6613 22
J6618
L6604 S1.3C
R6604 22
R6614 22
J6620
L6605 S1.3C
R6605 22
R6615 22
J6626
L6606 S1.3C
R6606 22
R6616 22
J6625
R6690 0.22 (1/2W)
RL6600
D6600
C6600 103Z
D6603
C6603 103Z
RL6603
D6605
C6605 103Z
RL6605
D6607
C6607 103Z
RL6607
C6650* 102J
P6600
C6651* 102J
C6641* C6640* 103J
C6653* 102J
C6654* 102J
C6644* 103J
C6643* 103J
L R SL SR
C6656* 102J
SB SPEAKER
P6605
C6655* 102J
C6645* 103J
C6646* 103J
SBL SBR
Z2 SPEAKER
C6658 102J
C6657* 102J
C6647 103J
C6648* 103J
Z2L Z2R
P6607
*: Except D model
FRLD CSRLD SBRLD Z2RLD RLGND
JL2006B
TO NAVD-8557 SCH. 1

NASW-8669
EXCEPT D & A
U046
POWER SW
S910
C910
P903B
P902B
TO NAPS-8664

NAETC-8672
U049
P912
P905B AC-G
P904B AC-H
TO NAPS-8664
OUTLET_K
K ONLY

NAETC-8667
JL6602A
TO NAETC-8666
L6602 S1.3C
R6602 22
R6612 22
Other models
D model
J6851
RL6602
C6602 103Z
P6602
C6652* 102J
C6642* 103J
U044

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH FUSE OF SAME TYPE AND RATING INDICATED.

ATTENTIION
AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MÊME TYPE ET CALIBRATION COMME INDIQUE.

THIS SYMBOL LOCATED NEAR THE FUSE INDICATES THAT THE FUSE USED IS SLOW OPERATING TYPE. FOR CONTINUED PROTECTION AGAINST FIRE FUSE HAZARD,REPLACE WITH SAME TYPE FUSE. FOR FUSE RATING REFER TO THE MAKING ADJACENT TO THE SYMBOL.

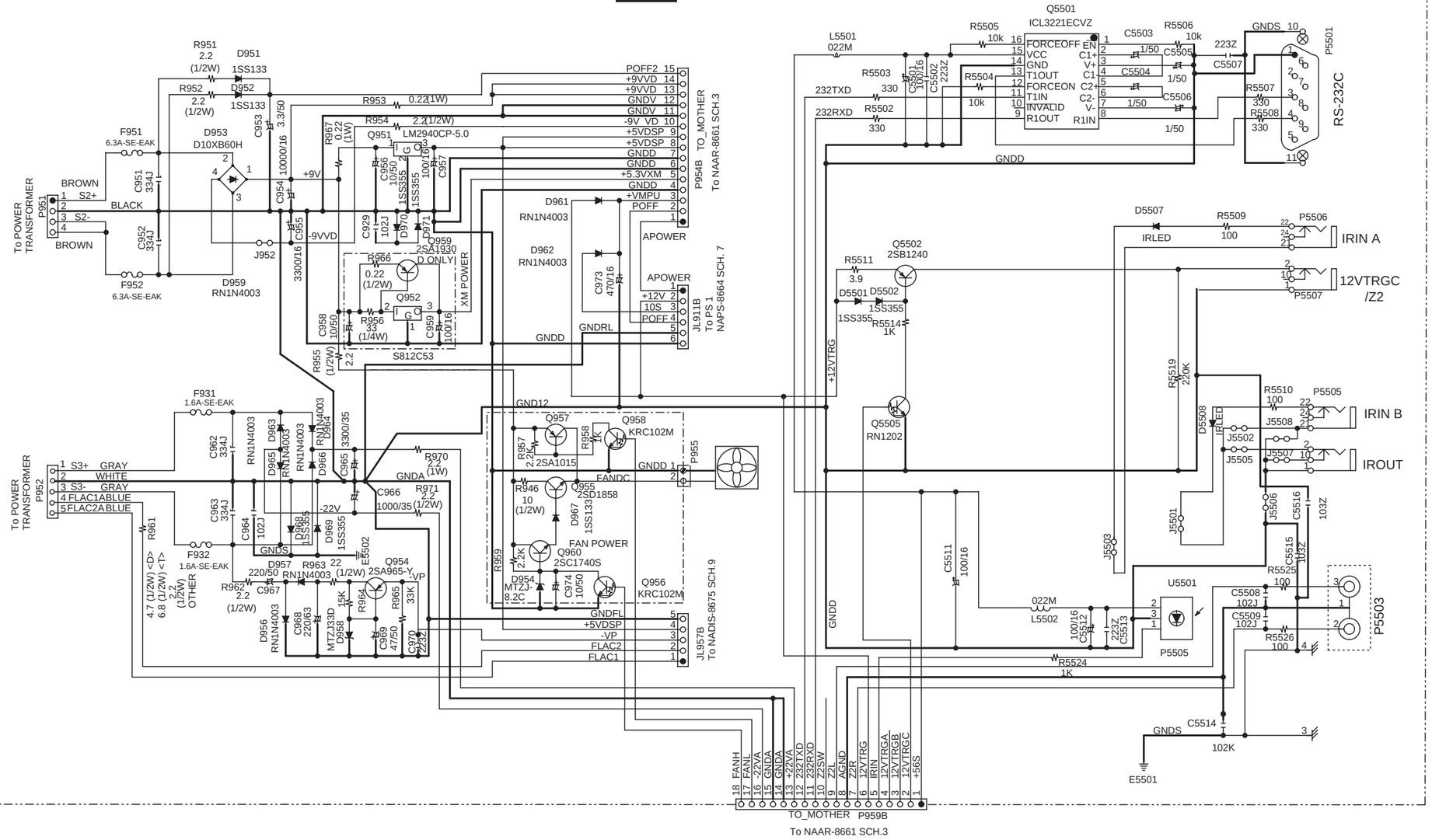
CE SYMBOLE INDIQUE QUE LE FUSIBLE UTLISE EST A LENT, E POUR UNE PROTECTION PERMANENTE.N.UTILISER QUE DES FUSIBLES DE MEME TYPE. CE DARNIER EST INDIQUE LA QU LE PRESENT SYMBOL EST APPOSE.

NOTE
THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR SAFETY.
REPLACE ONLY WITH PART NUMBER SPECIFIED.
ELECTROLYTIC CAPACITORS ARE IN uF/WV.
ALL CAPACITORS ARE IN pF//50WV UNLESS OTHERWISE NOTED.
EX) 030 3pF 330 33pF 331 330pF 333 0.033uF
ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS
EX PRINTING SIDE
CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

SCHEMATIC DIAGRAM 8
POWER SUPPLY SECTION

NAPS-8665

U042



A B C D E F G H

1 2 3 4 5

SCHEMATIC DIAGRAM 9

DISPLAY SECTION

NADIS-8675

U05

Q7501
HNA-16SM10T

Q7502
M66005

Q7503
2SC2712

Q7509
RN2402

Q7510
2SC2712

Q7507
RN2402

Q7508
RN1402

Q7506
RN1402

Q7515:A
NE5532

Q7515:B
NE5532

Q7607
RN1441

Q7605
RN1441

Q7601:B
NE5532

Q7601:A
NE5532

Q7602
RN1441

To NAPS-8665
SCH.8

To NAAR-8661 SCH.3

U053

NAETC-8677

U052

NAETC-8676

To NAAR-8661 SCH.3

U033

NAETC-8662

FRONT VIDEO INPUT/MIC INPUT

SCHEMATIC DIAGRAM 10

XM RADIO SECTION (North American models)

NARF-8688

U08

Q7101
XMDTIC
F2602-01
12 SLAVE_SEL

Q7001
M30281FAHP

Q7102
AK4384ET

Q7103
NE5532APSR

Q7105
78L05

Q7004
TA48033AF

Q7003
TC74HCT7007AF

Q7104
TPS2011AD

TC74VHC541FT

D7001
UDZS5.1B

P7102
XM
TERMINAL

P7001A

P710B

TO NARF-8688 SCH:3

PRINTED CIRCUIT BOARD CONNECTION DIAGRAM

U048 P905B P921 P904B NAETC-8672 Korean models
Sch. 7
AC outlet
NAPS-8664
Primary circuit
P910
P905A P904A
P901A P907A P906A
P912
U04
Sch. 7
P902A P903A
JL911A JL911B
P951 P952
JL957B
U042 Secondary circuit
NAPS-8665
Sch. 8
P5501 P5502 P5503 P5505 P5506 P5507 P5504
XM radio
North American models
P7102
U08
NARF-8688
Sch. 11
P7005A
JL101B
P7101A P7001A
P710B
P2003 P2002 P2001 P2201
P2007 P2202
Video circuit
NAVD-8657
Sch. 1
P2305A
JL2006
U02
P2005 P2004
P6602
JL6602A NAETC-8667
U044
Speaker terminal C
Sch. 7
Except DD & PA models
S910
P903B P902B
NASW-8669
U046
Power switch
Sch. 7
To P6952A
P955
FAN
P959B P954B
P3105B P3104B P3103B
P2005A P2004A
U032
NAAR-8661
Main microprocessor
Sch. 3
P710A
P959A P954A
JL7542A
P701A
JL703B
P702
P7534A
P601B
P602B
P3102B P3101B
P602A
U03
DSP
Sch. 2
NADG-8660
P601A
P801A
P102 P101
U101 U102 U103 U104 U105
P6600 P6605 P6607
U043
NAETC-8666
JL6602B JL6600B JL6603B
Sch. 7 JL2006B
Speaker terminal
Power transformer
Sch. 7
U052
JL7542B
Headphone terminal
P7602
NAETC-8676
Sch. 9
JL703A
NAETC-8680
Thermal detector
Sch. 5
TUNER PACK
U011
U062
NAETC-8677
JL7503B
U053
Volume
Sch. 9
JL957A
U05
NADIS-8675
Display circuit
Sch. 9
JL7503A
P7534B
JL7540A
JL7501A
U033
JL7501B
P7601 U7641
P7631
JL7540B
NAETC-8662
P7632
Sch. 9
Front video
P6952A
JL6600A
P6000A
P6080
R6040
Amplifier
Sch. 4 & 5
P6001A
P6081
R6041
JL6603A
U06
P6002A
P6082
R6042
NAAF-8678
P5004B
P6083 P6003A
R6043
P6084
P6004A
R6044
P6085 P6005A
R6045
JL6200A
P3102A
P3101A
P3105A
P3104A
P3103A
P6000A
NAAF-8668
U045
P6001A
P5004A
P6002A
Driver circuit
Sch. 6
P6003A
P6004A
JL6006A
P6005A
U064
JL6200B
JL6006B
P6086
R6046
NAAF-8682
Surround back amplifier
Sch. 5

EXPLODED VIEW-PARTS LIST

NOTE: THE COMPONENTS IDI
ARE CRITICAL FOR RI
ELECTRIC SHOCK. RE
PART NUMBER SPECI
CAUTION: Replacement for trar
must be made from th
the original type.
NOTE: <B>: Black model only
<D>: USA model only <P>
<T>: Worldwide model onl
<K>:Korean model only <

REF.NO.	PART NO.
A001	27111421B
	27111422B
	27111423B
A002	27191153B
A003	801618
A005	28200006
A009	28192074
	28192075
A010	27215374
	27215375
	27215376
A011	28198905
A019	28135244
	28135245
	28135298
A020	28141562
A022	27230047
A023	27191173
	27191174
A025	27191175
	27191176
A027	28180156
	28180157
A029	28180158
	28180159
A030	27301947
A031	27301946
A032	27141828A
A033	831430088GR
A035	801433GR
A036	2061112100UL
A037	838430088GR
A038	838120088GR
A039	28141511
A040	28326232
	28326234
	28326436
A044	28141637
A050	27100468A
A051	27130991A
A052	27190470
A053	27190524
A054	27190991
A055	260208
A056	830440089GR
A057	801618
A059	27190802
A060	27130990
A062	838450108GR
A063	27270439
A064	27190608-1
A065	27270147
A077	801612
A080	27160565A
A081	29110083
A082	801606
A087	27130745
A089	28141585
A090	27150507
A092	801612

A095	28184952	
	28184953	
	28184954	
A096	28141563	
A099	29364123	
A100	838240089	
	838440089GR	
A101	838430088GR	
	838930088GR	
A105	801618	
A110	29363379-1	
A111	27175418	
A114	838430088GR	
A115	27255004	
A119	28141647	
A401	27123469	
	27123470	
	27123471	
	27123472	
	27123473	
	27123474	
	27123475	
A402	838430088GR	
A403	87643010GR	
A404	838930088GR	
A405	27300750	!
	27301927	!
A406	27191130	!
A409	27270463	
A410	27212820	
	27212834	
	27212835	
	27212836	
	27212837	
A411	28148623	
	28148624	
	28148625	
	28148626	
	28148627	
	28148632	
	28148633	
A412	27262749	
	27262750	
	27262751	
	27262753	
	27262754	
A416	801618	
A417	82143010GR	
A418	28326340	
	28325497A	
	28325499A	
A420	29363194	
F6901,F6902	252301GR	!
F901	252079GR	!
	252330GR	!
F902	252079GR	!
F903	252075GR	!
	252326GR	!
F931,F932	252073GR	!
F951,F952	252079GR	!
P691	24502319	
P701	2047131012	
P7534	2045405012	
P901	253368LTK or	!
	253333VOL	!
	253388LTK or	!
	253388FJK or	!
	253388HIT or	!
	253388LON	!
	253374LTK or	!
	253233KAW or	!
	253306VOL	!
	253198LTK or	!
	253198VOL	!
	253355VOL or	!

	253377LTK	!
	253406VOL	!
	253348VOL	!
P921	25052665	
Q6050,Q6051,Q6052	2203686 or	*
Q6053,Q6054,Q6055	2203683 or	*
Q6056	2203684	*
Q6050A	223024	
Q6060,Q6061,Q6062	2203696 or	*
Q6063,Q6064,Q6065	2203693 or	*
Q6066	2203694	*
T901	2301830	!
	2301831	!
	2301832	!
	2301833	!
U02	1B104557-1A	
	1B104557-1B	
U03	1B104560-1G	
	1B104560-1H	
	1B104560-1J	
	1B104560-1K	
	1B104560-1N	
U032	1B104561-1G	
	1B104561-1H	
	1B104561-1J	
	1B104561-1K	
	1B104561-1N	
U033	1B104562-1G	
	1B104562-1H	
	1B104562-1J	
	1B104562-1K	
	1B104562-1N	
U04	1B104564-1J	
	1B104564-1K	
	1B104564-1L	
	1B104564-1M	
	1B104564-1N	
	1B104564-1P	
U042	1B104565-1J	
	1B104565-1K	
	1B104565-1L	
	1B104565-1M	
	1B104565-1N	
	1B104565-1P	
U043	1B104566-1J	
	1B104566-1K	
	1B104566-1L	
	1B104566-1M	
	1B104566-1N	
	1B104566-1P	
U044	1B104567-1J	
	1B104567-1K	
	1B104567-1L	
	1B104567-1M	
	1B104567-1N	
	1B104567-1P	
U045	1B104568-1J	
	1B104568-1K	
	1B104568-1L	
	1B104568-1M	
	1B104568-1N	
	1B104568-1P	
U046	1B104569-1L	
	1B104569-1M	
	1B104569-1N	
	1B104569-1P	
U047	1B104570-1L	
	1B104570-1M	
	1B104570-1N	
	1B104570-1P	
U049	1B104572-1M	
U05	1B104575-1D	
U052	1B104576-1D	
U053	1B104577-1D	
U06	1B104578-1D	

U062	1B104580-1D
U063	1B104581-1D
U064	1B104582-1D
U08	1B104588-1A
U11	240152 or
	240156
	240154
	240155

PACKING VIEW-PARTS LIST

REF. NO.	PART NO.	
A601	29092286A	
A603	29054470	
A606	29095906	
A607	29363059A	
A610	29100153	
A611	29110149	
A612	29110148	
A613	29100238	
A630	29100097-1A	
A650	29054426	
	29054427	
	29054428	
	29054429	
	29054430	
	29054454	
	29054455	
	29054457	
A651	29363243	
A655	29364220	
	29364221	
	29364222	
	29364223	
	29364224	
	29364226	
	29364227	
A670	29365090C	
	29365099	
	29365098A	
A675	29380140	
	29380141	
A812	29344073	
A813	29344074	
A814	29344075	
A815	29344076	
A816	29344077	
A817	29344078	
A818	29355537	
A819	29344079	
A826	29344100	
A827	29355538	
A831	24140620	
A841	3010358	
A843	232140	
A844	29100097-1A	
A845	292191	
A846	25056005	!
A847	29100217	
U012	1B068MIC	

ENTIFIED BY MARK !
SK OF FIRE AND
:PLACE ONLY WITH
FIED.
ısistor of mark *, if necessary
ıe same beta group (hFE) as

<G>: Golden model only <S>: Silver model only
>: European model only <A>:Australian model only
y <R>: Chinese model only <C>:Canadian model only
Q>:Hongkong model only

DESCRIPTION

Front bracket <B>
Front bracket <S>
Front bracket <G>
Holder, Jack
3TTB+8B(CU)SR,Screw
Facet, volume
Clear plate <B>
Clear plate <S/G>
Decorative frame <B>
Decorative frame <S>
Decorative frame <G>
Facet
Badge <B>
Badge <G>
Badge <S>
t5*30*5,Cushion
091Y,Push latch
Holder L <B>
Holder L <S/G>
Holder R <B>
Holder R <S/G>
Hinge L <B>
Hinge L <S/G>
Hinge R <B>
Hinge R <S/G>
B20B, Damper
Gear
Retainer B
3TTW+8B(3BC),Screw
3SMS8W.SW+14B(BC),Screw
TCW21,Cord As
3TTB+8B(3BC),Screw
2TTB+8B(3CM),Screw
t1.0*5*5,Cushion
Knob, volume <B>
Knob, volume <G>
Knob, volume <S>
Cushion
Chassis
Bracket FR
KGLS-18S,Holder
KGLS-14RT,Holder
Holder
BSK-1,Wire tie
4TTC+8C(3BC),Screw
3TTB+8B(CU)SR,Screw
KGPS-14RF,Holder
Bracket, fan
5TTB+10B(3BC),Screw
Spacer
Holder, clamper
8X3X0.188,Spacer
3TTB+8B(CU),Screw
Heat sink
Tape, cloth
3SMH10W.SW+15B(CU),Screw
Bracket
W15*3t,Cushion
Shield plate FFC
3TTB+8B(CU),Screw

Top cover <B>
Top cover <S>
Top cover <G>
t3*50*10,Cushion
Label, cover
4TTB+8C(NI),Screw <S/G>
4TTB+8C(3BC),Screw <B>
3TTB+8B(3BC),Screw <B>
3TTB+8B(UN),Screw <S/G>
3TTB+8B(CU)SR,Screw
Label PT
Leg
3TTB+8B(3BC),Screw
CS-1U,Clip
Cushion
Rear panel <D/C>
Rear panel <P>
Rear panel <K>
Rear panel <T>
Rear panel <R>
Rear panel <A>
Rear panel <Q>
3TTB+8B(3BC),Screw
W3*10F(3BC),Washer
3TTB+8B(UN),Screw
#2271,Bushing <D/C/P/A/R/K>
Bushing <Q/T>
Holder, outlet <R>
T0.5*Φ8*Φ3.5,Spacer
Front panel <B> <D/C/A>
Front panel <B> <P>
Front panel <S> <C/A>
Front panel <S> <P>
Front panel <G>
Door <B> <D>
Door <B> <P>
Door <S> <C>
Door <S> <P>
Door <G>
Door <B> <A>
Door <S> <A>
Plate, door <B> <D/C/A>
Plate, door <S> <C/A>
Plate, door <G>
Plate, door <B> <P>
Plate, door <S> <P>
3TTB+8B(CU)SR,Screw <P/Q/R/K/T>
3P+10FN(3BC),Screw <P/Q/R/K/T>
Knob, power <S> <P>
Knob, power <B> <P>
Knob, power <G>
Labl HOOKUP <D>
12A-TUL-250V,Fuse
6.3A-SE-EAK,Fuse <P/A/Q/R/K>
10A-UL/T-233, Fuse <D/C>
6.3A-SE-EAK Fuse <T>
2.5A-SE-EAK,Fuse <P/A/Q/R/K>
5A-UL/T-233,Fuse <D/C>
1.6A-SE-EAK,Fuse
6.3A-SE-EAK,Fuse
D09A-12PG(EX),Fan
NCFC7-131012,FFC
NCFC5-405012,FFC
AS-UC-2 or
AS-UC-2, Power supply cord <D/C>
AS-SAA or
AS-SAA or
AS-SAA or
AS-SAA, Power supply cord <A>
AS-CEE-2 or
AS-CEE-2 or
AS-CEE-2,Power supply cord <P>
AS-BS or
AS-BS,Power supply cord <Q>
AS-CCC or

AS-CCC,Power supply cord <R>
AS-KS,Power supply cord <K>
AS-CEE-3,Power supply cord <T>
NSCT-2P2561,AC outlet <K>
MN150S-P or
MN150S-O or
MN150S-Y,Transistor
AC238,Isolated sheet
MP150S-P or
MP150S-O or
MP150S-Y, Transistor
NPT-1526D,Power transformer <D/C>
NPT-1526P,Power transformer <A/P>
NPT-1526DQ,Power transformer <T>
NPT-1526G,Power transformer <Q/R/K>
NAVD-8657-1A, Video circuit PC board ass'y <D/C>
NAVD-8657-1B, Video circuit PC board ass'y <P/A/Q/R/K/T>
NADG-8660-1G, DSP circuit PC board ass'y <D/C>
NADG-8660-1H, DSP circuit PC board ass'y <A>
NADG-8660-1J, DSP circuit PC board ass'y <Q/R/K>
NADG-8660-1K, DSP circuit PC board ass'y <P>
NADG-8660-1N, DSP circuit PC board ass'y <T>
NAAR-8661-1G,Main micropocessor PC board ass'y <D/C>
NAAR-8661-1H,Main micropocessor PC board ass'y <A>
NAAR-8661-1J,Main micropocessor PC board ass'y <Q/R/K>
NAAR-8661-1K,Main micropocessor PC board ass'y <P>
NAAR-8661-1N,Main micropocessor PC board ass'y <T>
NAETC-8662-1G, Front video PC board ass'y <D/C>
NAETC-8662-1H, Front video PC board ass'y <A>
NAETC-8662-1J, Front video PC board ass'y <Q/R/K>
NAETC-8662-1K, Front video PC board ass'y <P>
NAETC-8662-1N, Front video PC board ass'y <T>
NAPS-8664-1J, Primary circuit PC board ass'y <D/C>
NAPS-8664-1K, Primary circuit PC board ass'y <A>
NAPS-8664-1L, Primary circuit PC board ass'y <T>
NAPS-8664-1M, Primary circuit PC board ass'y <K>
NAPS-8664-1□, Primary circuit PC board ass'y <R>
NAPS-8664-1P, Primary circuit PC board ass'y <P/Q>
NAPS-8665-1J, Secondary circuit PC board ass'y <D/C>
NAPS-8665-1K, Secondary circuit PC board ass'y <A>
NAPS-8665-1L, Secondary circuit PC board ass'y <T>
NAPS-8665-1M, Secondary circuit PC board ass'y <K>
NAPS-8665-1□, Secondary circuit PC board ass'y <R>
NAPS-8665-1P, Secondary circuit PC board ass'y <P/Q>
NAETC-8666-1J, Speaker terminal PC board ass'y <D/C>
NAETC-8666-1K, Speaker terminal PC board ass'y <A>
NAETC-8666-1L, Speaker terminal PC board ass'y <T>
NAETC-8666-1M, Speaker terminal PC board ass'y <K>
NAETC-8666-1□, Speaker terminal PC board ass'y <R>
NAETC-8666-1P, Speaker terminal PC board ass'y <P/Q>
NAETC-8667-1J, Speaker terminal C PC board ass'y <D/C>
NAETC-8667-1K, Speaker terminal C PC board ass'y <A>
NAETC-8667-1L, Speaker terminal C PC board ass'y <T>
NAETC-8667-1M, Speaker terminal C PC board ass'y <K>
NAETC-8667-1□, Speaker terminal C PC board ass'y <R>
NAETC-8667-1P, Speaker terminal C PC board ass'y <P/Q>
NAAF-8668-1J, Driver circuit PC board ass'y <D/C>
NAAF-8668-1K, Driver circuit PC board ass'y <A>
NAAF-8668-1L, Driver circuit PC board ass'y <T>
NAAF-8668-1M, Driver circuit PC board ass'y <K>
NAAF-8668-1□, Driver circuit PC board ass'y <R>
NAAF-8668-1P, Driver circuit PC board ass'y <P/Q>
NASW-8669-1L, Power switch PC board ass'y <T>
NASW-8669-1M, Power switch PC board ass'y <K>
NASW-8669-1□, Power switch PC board ass'y <R>
NASW-8669-1P, Power switch PC board ass'y <P/Q>
NAETC-8670-1L, Holder PC board ass'y <T>
NAETC-8670-1M, Holder PC board ass'y <K>
NAETC-8670-1□, Holder PC board ass'y <R>
NAETC-8670-1P, Holder PC board ass'y <P/Q>
NAETC-8672-1M, AC outlet PC board ass'y <K>
NADIS-8675-1D,Display circuit PC board ass'y
NAETC-8676-1D,Headphone terminal PC board ass'y
NAETC-8677-1D,Volume PC board ass'y
NAAF-8678-1D,Amplifier PC board ass'y

NAETC-8680-1D,Thermal detector PC board ass'y
NAETC-8681-1D,Holder PC board ass'y
NAAF-8682-1D,Surround back amplifier PC board ass'y
NARF-8688-1A,XM radio PC board ass'y
FAE385-A11US or
ENG06507QFUS,FM/AM tuner <D/C>
FAE485-E11EU, FM/AM tuner <P>
FAE485-E12EX, FM/AM tuner <A/Q/R/K/T>

DESCRIPTION
Pad
Carton
Sheet
Label, speaker cable
1020x770, Polybag
Tape, cellophane
Tape PP
T0.05*650*100, Polybag
350*250, Polybag
Carton box <B> <A>
Carton box <S> <A>
Carton box <G> <Q/K/T>
Carton box <B> <P>
Carton box <S> <P>
Carton box <B> <D/C>
Carton box <S> <C>
Carton box <G> <R>
Label <C>
Label EAN <B> <A>
Label EAN <S> <A>
Label EAN <G>
Label EAN <B> <P>
Label EAN <S> <P>
Label UPC <B> <D/C>
Label UPC <S> <C>
Warranty card <D/C>
Warranty card <Q>
Warranty card <R>
Leaflet DS-A1<D/C>
Leaflet DS-A1<P>
Instruction manual En
Instruction manual U2FrEs <P/C>
Instruction manual U2ItDe <P>
Instruction manual U2NlSv <P>
Instruction manual Cs <R>
Instruction manual Ct <Q/T>
Instruction sheet WEEE <P>
Instruction Manual En-DIG <D>
Instruction manual U9
Instruction sheet XM <D/C>
RC-620M,Remote controller
LR6/AA(UM-3),Battery
NMA-3057,AM loop antenna
350*250,Polybag for printed matter <P>
FM antenna
CV-K-1,Conversion plug <T>
t0.1*70*100,Polybag
MIC-5000,Setup microphone